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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of:

INVENTORS: Heikkilä

SERIAL NO.: 10/659,412

ART UNIT: 2681

FILED: 9/10/2003

EXAMINER:

TITLE: "Method and Apparatus Providing an Advanced MIMO Receiver That Includes
a Signal-Plus- Residual-Interference (SPRI) Detector"

ATTORNEY DOCKET NO.: 872.0153.U1(US)

Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

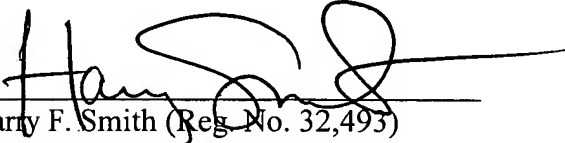
INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to Sections 609 and 707.05(b) of the MPEP and 37 CFR 1.97-1.99, copies are herewith submitted of documents, which may be pertinent to the invention as claimed in the above-identified application. The attached form PTO-1449 lists these documents.

The citation of these documents should not be construed as a representation that a thorough search has been made, or that other, more pertinent material is not available.

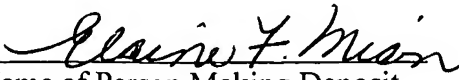
Respectfully submitted,

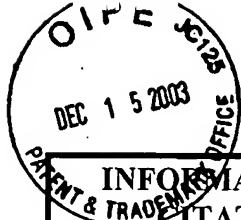

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**INFORMATION DISCLOSURE
CITATION FORM FOR
PATENT APPLICATION
(FORM PTO-1449)
(Substitute)**

Docket No.: 872.0153.U1(US)

Serial No.: 10/659,412

Applicant(s): Heikkilä

Filing Date: 9/10/2003

Group: 2681

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number (Number-Kind Code)	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant	Class	Sub-class
	US-				
	US-				
	US-				
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FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number (Country Code-Number-Kind Code)	Publication Date (MM-DD-YYYY)	Name Of Patentee of Applicant	Translation? Yes/No/n/a
	- -			
	- -			
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	- -			
	- -			
	- -			

OTHER DOCUMENTS (Author (Capitalize), Title, Date, Pages, Etc., if known)

	BAUCH, GERHARD and AL-DHAHIR, NAOFAL, "Reduced-Complexity Space-Time Turbo-Equalization for Frequency-Selective MIMO Channels", 2002 IEEE, pp 819-828
	HOLTER, BENGT, "On the Capacity of the MIMO Channel", Norwegian University of Science and Technology, 2001, pp 1-19
	LUO, HUI, LIU, RUEY-WEN, LIN, XIETING and LI, XIN, "The Autocorrelation Matching Method for Distributed MIMO Communications Over Unknown FIR Channels", AT&T Labs, University of Notre Dame and Fudan University
	SWINDLEHURST, A. LEE and LEUS, GEERT, "A General Framework for Space-Time Coding in MIMO Wireless Communications Systems", Brigham Young University
	THOMAS, TIMOTHY A. and VOOK, FREDERICK W., "Broadband MIMO-OFDM Channel Estimation via Near-Maximum Likelihood Time of Arrival Estimation", Motorola Labs, 2002 IEEE, pp. III-2569 to III-2572
	CHAN, ALBERT M. and LEE, INKYU, "A New Reduced-Complexity Sphere Decoder for Multiple Antenna Systems, MIT and Agere Systems, 2002 IEEE, pp. 460-464

Examiner's Signature:

Date Considered:

Initial if reference was considered, whether or not citation is in conformance with MPEP. Mark through citation if not considered.
Include a copy of this citation form with your next correspondence to the Applicant(s).